

Listing of Claims:

Claims 1-46 (Canceled).

47. (New) An imaging apparatus for a microscope,
comprising:

an imaging element which picks up an image observed through
the microscope; and

an operation display section;

wherein the operation display section comprises:

an operation section comprising an imaging start
instructing member, a recording range enlargement instructing
member, a recording range reduction instructing member, a display
enlargement instructing member, and a display reduction
instructing member;

a recording section which records the image picked up
by the imaging element;

a display section configured to display the image
recorded by the recording section at a display magnification,
which is variable; and

a control section which controls recording and
reproducing operations of the recording section and the display
magnification of the display section, and which selectively
controls a recording range of the image instructed by the

recording range enlargement instructing member and the recording range reduction instructing member, and the display magnification of the image instructed by the display enlargement instructing member and the display reduction instructing member in a mode selected from the group consisting of:

25 a first mode in which the recording range of the image is fixed, and a display range and the display magnification of the image are variable;

30 a second mode in which the recording range of the image is variable, and the display range and the display magnification of the image are fixed; and

 a third mode in which the recording range of the image is variable and the display range and the display magnification of the image are variable.

48. (New) The imaging apparatus for a microscope according to claim 47, wherein the operation section further comprises:

 a recording range display instructing member which causes the display section to display the recording range of the image;

5 a recording range instructing member which varies the recording range of the image; and

 an image list display instructing member which causes the display section to display a list of images of predetermined areas of the image recorded in the record section.